

## A B S T R A C T

The inertial sensor comprises at least one vibrating element having one end connected to a support element and  
5 an opposite end connected to a test mass which is hinged to the support element by at least two link elements and which includes a cavity in which the vibrating element and a portion of the support element adjacent to the vibrating element are received. The link elements are  
10 housed in the cavity surrounding a portion of the support element to which the link elements are connected.